

PATENT APPLICATION  
Docket No.: NC 82,591

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Keller et al.

Serial No.: 10/006,385

Filed: 12/10/2001

For: METAL NANOPARTICLE THERMOSET AND CARBON COMPOSITIONS FROM  
MIXTURES OF METALLOCENE-AROMATIC-ACETYLENE COMPOUNDS

Examiner: Choi, Ling Siu

Art Group Unit: 1713

Honorable Commissioner of Patents  
PO Box 1450  
Alexandria, VA 22313-1450

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## DECLARATION UNDER 37 C.F.R. § 1.132 OF TEDDY M. KELLER

Sir:

I, Teddy M. Keller, hereby declare that:

1. I am a co-inventor of the invention claimed in the above-identified patent application.
2. At the time that the application was filed, I was not certain of the presence of carbon nanotubes in the claimed products. On or about 4/25/02, it was discovered from X-ray measurements that carbon nanotubes had formed *in situ* when the mixtures of ferrocenylethynyl containing component or organometallic component and an aromatic-acetylene containing component were heated to temperatures of at least about 500°C.
3. The CNTs were randomly arranged, rather than in a regular pattern. This occurred because the CNTs were formed *in situ* as the mixture was heated. A SEM micrograph of a claimed product or similar product shows the random arrangement.
4. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

08/03/04

Date

Teddy M. Keller

Teddy M. Keller